BRUHAT BANGALORE MAHANAGARA PALIKE

Dasarahalli Zone

Office of the Exexutive Engineer Project Division (Dasarahalli)

Work Slip (Comparative Statement)

Name of Work:- Improvements to Ashwathakatte near Muthuraya Swamy temple Mallasandra ward no.13 Shettyhalli Sub Division

Name of Agency:- Puttaraju A

Work Order No:- BBMP/EE/PD/WO/ / 2017-18

Tender Notification No:- BBMP/EE/PD/Ten/10/2017-18

Sl No	Description of work	Unit	As Per Bill of Quantity			Quantity up to 125%			Quantity Abpve 125%			Anticipated Final Qty		Excese Amount	Savings Amount	Remarks
			Qty	Rate	Amount	Qty	Rate	Amount	Qty	Rate	Amount	Est Qty	Amount			
1	Excavation for road, drains and similar works KSRRB 300-1. Earthwork excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications.	Cum	78.44	405.64	31818.40	76.34	405.64	30966.56				76.34	30966.56		851.84	
2	Providing and laying in position plain cement concrete of mix 1:3:6 with OPC cement @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @ 0.465cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including cost of all materials, labour, HOM of machinery, curing complete as per specifications.	Cum	11.96	5449.68	65178.17	14.95	5449.68	81472.72	17.60	5444.24	95802.29	32.55	177370.73	112096.29		
3	Providing and laying in position reinforced cement concrete of design mix M25 with OPC cement @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @0.70cum and fine aggregtes @ 0.47cum, with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in ground floor level for roof slabs, staircase, lintles and beams retaining walls, return walls, walls (any thickness) including attached pilasters, columns, ,pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc., including cost of all materials, labour, HOM of machinery, curing, complete but excluding cost of reinforcement as per specifications.	Cum	25.41	6718.68	170721.66	26.41	6718.68	177440.34				26.41	177467.21	6745.55		
4	Filling available excavated earth (excluding rock) in sides of foundations upto plinth in layers not exceeding 20 cms. in depth,compacting each deposited layer by ramming after watering with leadupto 50 m. and lift upto 1.5 m. including cost of all labour complete asper specifications. Specification.	Cum.	39.22	137.16	5379.42	36.15	137.16	4958.33				36.15	4958.33		421.08	

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No	Description of work	Unit	As per Bill of quantities			Quantity up to 125%			Quantity above 125%			Anticipated final qty		Excess	Savings	Rem
			Qty	Rate	Amount	Qty	Rate	Amount	Qty	Rate	Amount	Est Qty	Amount	Amount	Amount	
1	2	3	7	8	9	10	11	12	13	14	15	16	17	18	19	
5	KSRRB : Providing and constructing granite / trap / basalt size stone masonry in Superstructure with cement mortar 1 :4, edges of stones chistle dressed in courses not less than 20cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications. KBS 5.1.13	Cum.	1.26	6019.92	7585.10	0.00	0.00	0.00				0.00	0.00		7585.10	
6	KSRRB 5.3-3: Providing and constructing granite / trap / basalt size stone masonry in basement with cement mortar 1 :6, edges of stones chistle dressed in courses not less than 15cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications. KBS 5.1.13	Cum.	22.50	5405.40	121621.50	1.04	5405.40	5618.91				1.04	5618.91		116002.59	
7	Providing and Laying in position reinforced cement concrete of design mix M20 with OPC cement @ 300Kgs with 20mm and down size graded granite metal course aggregate @ 0.64cum and fine aggregate @ 0.43cum, with superplastisiser @ 3ltr confirming to IS 9103-1999 Reaffirming 2008, machine mixed, concrete laid in layers not	Cum.	3.06	5985.36	18315.20	1.38	5985.36	8241.84				1.38	8241.84		10073.36	
8	Providing and Removing centering and shuttering, strutting proping etc. and removal of form work for foundations footings bases of columns for mass concrete including cost of all materials labour complete as per specifications. Specification	Sqm	144.70	249.48	36099.76	91.84	249.48	22912.24				91.84	22912.24		13187.51	
9	KSRB 4.9.2: Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as	Tonne	2.03	65455.56	132874.79	2.11	65455.56	138315.45				2.11	138315.45	5440.67		
10	KSRB M300-53 Construction of emabankment with approved material Gravel/Murrum with all lifts and leads , transporting to site , spreading,grading to required slope and compavting to meet requirement Table 300-2 complete as per specifications, including cost of gravel/murrum, watering charges & compaction by vibratory roller to 95% of products density .MORTH Specification No. 305	Cum.	57.53	326.16	18763.98										18763.98	

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			Qty	Rate	Amount	Qty	Rate	Amount	Qty	Rate	Amount	Est Qty	Amount	Excess Amount	Savings Amount
1	2	3	7	8	9	10	11	12	13	14	15	16	17	18	19
11	Providing and laying flooring using pre polished water cut gangsaw 19mm thick granite laid with a bed of 20mm thick 1:4 cum and jointed with neat cement slurry mixed with pigment to match the shade of granite slabs including laying POP on finished surface and cleaning surface including the cost of all materials morter and labours etc. complete as per specification using silver gray granite/multi red/ ruby red/black/ hassan green granite slab of width not less than 1200mm. Item no.14.47.1 Page No.107. SR 2016-17.	Sqm	46.58	2828.52	131752.46										131752.46
12	Providing and fixing 20mm thick gang saw water cut LAKARED granite for cladding in CM 1:4 cut to required shape, pattern woth paper joints, finished with cement mortar using, white cement colour pigments to match the colour of slab making through jointing with sealant, grooves in joints including cost of curing etc., complete including cost and conveyance of all materials, mortar labour for all items of work, HOM of equipment etc., complete as per specification.	Sqm	16.70	3990.60	66643.02										66643.02
13	Providing and fixing 304 grade stainless steel hand rails of 14 guage pipes for Ramps staircase made out of stainless steel hollow piupes using 50 mm dia for verticals@ 1.60 mts c/c fixed to the ramps or steps by drilling with bolts and 100mm dia M S base plates 10mm guage for fixing of vertical pipes 4 Nos ancher bolts& 40 mm dia pipes fixed horizontally for 2 rows top one pipe fixed with vertical pipes another one fdixed with elbows and 25 mm dia pipes are fixed horizontally for 2 rows below top measure @ equal intervels including cutting welding bending wherever necessary with suitable caps @ tops bottoms & corners finishinconveyance of all materials labour for all items of work HOM oftransportation chacomplete as per specification and direction of the Engineer incharge of the work	Sqm	20.76	6286.68	130511.48	25.37	6286.68	159493.07				25.37	159493.07	28981.59	
14	Providing full nosing for 20mm thick granite slab using required machinary including cost and conveyance of all materials; labour for all items of works H O M of equipment etc; complete as per specification	M	23.50	257.04	6040.44	29.38	257.04	7550.55	1.64	256.79	419.85	31.01	7970.81	1930.37	

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No	Description of work	Unit	As per Bill of quantities			Quantity up to 125%			Quantity above 125%			Anticipated final qty		Excess	Savings
			Qty	Rate	Amount	Qty	Rate	Amount	Qty	Rate	Amount	Est Qty	Amount	Amount	Amount
1	2	3	7	8	9	10	11	12	13	14	15	16	17	18	19
15	Supplying and fixing M.S Rectangular poles made out of 2 equal angles of 65x65x6 mm welded together and fixed in cc 1:2:4 with 2 nos 16mm dia M.S hold fast rods each of length 25cms. Including cost of all materials cutting, bending scaffolding wherever necessary, nicely finishing the welding joints with all lead lifts and as per directions of the Engineer -in- charge of the work and including two coats of paint over one coat of shop painting (excluding cost of earthwork and concrete) ---- All terms and conditions as per the Tender document	M	51.00	884.52	45110.52	0.00		0.00							45110.52
16	Providing and fixing M.S block pipe of 38mm dia of heavy gauge of 14 including removing the bends, cutting the pipe and fixing between the two vertical poles(M.S rectangular poles) and spot welding the chain link with M.S block pipe including cost of all materials wastage in cutting and scaffolding wherever necessary with all lead and lift as directed by the Engineer-in-charge of work etc., complete including two coats of approved quality paint over one coat of shop paint ---- All terms and conditions as per the Tender document	M	150.00	349.92	52488.00	0.00		0.00							52488.00
17	Providing chain link fencing 50mm size of 8 gauge properly stretched between rectangular poles and fixed with suitable bolts & nuts, the free end shall be welded to the pole and block pipe to the top and bottom as required including cost of all materials, labour, lead and lifts and as per the directions of the Engineer-in-charge of work including two coats of approved quality paint over one coat of shop paint ---- All terms and conditions as per the Tender document	M	125.00	711.72	88965.00	0.00	0.00	0.00							88965.00
18	KSRB 15-18.1 : Applying red lead ready mix printing coat over new stell or metal surface including preparing the surface after through claeaning oil , grease, dirt and other foreign matter and scoured with brushes , fine steel wool, sand papers including cost of materials, labour , complete as per specificationss(Page no.121,it no.15.73 of KPWD S.R 2016-2017)	Sqm	407.40	31.32	12759.77	0.00	0.00	0.00							12759.77

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No	Description of work	Unit	As per Bill of quantities			Quantity up to 125%			Quantity above 125%			Anticipated final qty	Excess	Savings	Remarks
			Qty	Rate	Amount	Qty	Rate	Amount	Qty	Rate	Amount	Est Qty	Amount	Amount	
1	2	3	7	8	9	10	11	12	13	14	15	16	17	18	19	
19	KSRB 15-18.2 : Providing and applying enamel metal paint two coats over new steel or other metal surface brushing to give an even shade after cleaning oil, grease, dirt and other foreign ,matter, including cost of materials, labour complete as per specification. s(Page no.121,it no.15.74 of KPWD S.R 2016-2017	Sqm	426.80	88.56	37797.41	0.00	0.00	0.00							37797.41
20	KSRB 13-11.1: Providing and placing on terrace, polyethylene water storage tanks as per IS 12701 : 1996 with manhole lid and suitable locking arrangements, making holes of suitable diameter for inlet, outlet and flow pipes, incluiding cost of all materials, labour , complete as per specification.	Nos	2.00	9144.36	18288.72	0.00	0.00	0.00							18288.72
21	KSRB13-6.1-3 : Providing and fixing in position brass bib cock of approved quality 25mm nominal bore including cost of all materials, labour and HOM of equipements with all leads complete as per specifition No. KBS 12.2.2/13.3	Each	5.00	293.76	1468.80	0.00	0.00	0.00							1468.80
22	KSRB 13-6.2-6 : Providing and fixing in position brass stop cock of approved quality 50mm nominal bore including cost of all materials, labour and HOM of equipments with alla leads complete as per specifications. No. KBS 13.2.2 /13.3	Each	5.00	172.80	864.00	0.00	0.00	0.00							864.00
23	KSRB 13-6.3-7 : Providing and fixing in position brass gate valve with C.I wheel of approved quantity (screwed end) 65mm nominal bore including cost of all materials, labour and HOM of equipements with all leads complete as per specifications. Specification No. KBS 13.2.6 / 13.3	Each	2.00	2781.00	5562.00	0.00	0.00	0.00							5562.00
24	KSRB 13-6.6-2 : Providing and fixing unplasticised PVC connection pipe with brass union 15mm nominal bore 450mm length of PVC connection including cost of all materials , labour and HOM of equipements with all leads complete as per specifications.	Set	5.00	354.24	1771.20	0.00	0.00	0.00							1771.20

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	2	3	7	8	9	10	11	12	13	14	15	16	17	18	19
25	Providing and fixing Chorinated poly venyl (CPVC) Pipes coforming to IS 15778 having thermal stability for hot and cold water supply including all CPVC plain and brass threaded , fittings including fixing the pipe with clamp at 1.00mtr spacing. This includes jointing of pipes and fitting with one step CPVC solvent cement & the cost of cutting chases & making good the same including testing of joints complete. (C oncealed work including cutting chases and good the walls etc.,)25mm nominal OD pipes.	M	200.00	270.00	54000.00	0.00	0.00	0.00							54000.00
26	Providing and fixing unplasticised PVC with 110mm outer dia pipes 10.00 kg/sq.cm working pressure chemp plast I Wavin or equipement make with pipe fittings clips, making good the floor, including cost of all materials, labour charges, HOM of equipments and testing complete as per specifications.	M	140.00	743.04	104025.60	0.00	0.00	0.00							104025.60
27	Providing Submersible Single Phase motor (ATLANTA / SUGUNA /CRI / KIRLOSKAR / OTHER EQUIVALENT PUMPS) No.-14, Pg No -XXXXIV SR 2016-17.	Nos	1.00	18900.00	18900.00	0.00	0.00	0.00							18900.00
	EIRL ITEMS														
EIRL-1	Providing and Fixing for flooring 20mm thick gang saw water cut sadarahalli gray granite in CM 1:4 propotion, cut to required shape, pattern with paper joints, finished with cement mortor using white cement and colour pigments to match the colour pigments to match the colour of slab making through jointing with sealant, groves in joints including cost of curring -Minimum width of 1200mm.,complete as per specification.KSRB 14.61.1	Sqm							88.00	1984.00	174596.96	88.00	174596.96	174596.96	
EIRL-2	KSRB 6-5.3;Providing and constructing burnt brick masonry with approved quality of modular bricks of standard size and class designation 5.0 Newton per sq mm (table moulded) with cement morter 1;6 for basement and super structure including cost of materials, labour, HOM of machinary, curing complete as per the direction of the Engineer incharge of the work	Sqm							5.23	6935.58	36306.37	5.23	36306.37	36306.37	

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			Qty	Rate	Amount	Qty	Rate	Amount	Qty	Rate	Amount	Est Qty	Amount	Amount	Amount	
1	2	3	7	8	9	10	11	12	13	14	15	16	17	18	19	
EIRL-3	Providing 18mm thick cement plaster in single coat with cement morter 1:4 to burnt brick masonry including off corners wherever required smooth rendering Providing and removing scaffolding including cost of materials, labour, HOM of machinary, curing complete as per specification	Sqm							21.16	169.00	3576.04	21.16	3576.04	3576.04		
EIRL-4	Providing And Constructing Mantapa using Sadarahallli Granite stones of size of 0.40x0.40x2.3 measurment for four numbers pillers and four numbers of beams of size 0.20x0.30x2.75 mtr and with granite slab roof of 4.30mtrx3.00mtrx0.15thick including cost of all loading and unloading and the lead for bringing the stone to the workspot including cost of all carving work dressing polishing and pinishing and insatalling at woork site etc.. complete	Nos							1.00	437441.07	437441.07	1.00	437441.07	437441.07		
									EIRL Amount		651920.44		651920.44	651920.44		
					1385239.20			637093.87			748142.59		1385235.62	807115.47	807281.97	

Estimated Cost	1500000.00
Sanctioned Cost	1385239.20
Total EIRL Amount	651920.44
Percentage of EIRL	47.06%
Total Work Slip Amount	96222.14
Percentage of Work Slip	6.95%
Savings Amount	807281.97
Total Project Cost	1385235.62

Amount of Savings = 1385239.20 - 1385236.46 = 2.74 Rs

Asst Engineer
Project Division-Dasarahalli Zone

Asst.Executive Engineer
Project Division-Dasarahalli Zone

Executive Engineer
Project Division-Dasarahalli Zone

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BRUHAT BANGALORE MAHANAGARA PALIKE

PROJECT DIVISION, DASARAHALLI ZONE

WORKSLIP STATEMENT

Name of Work: Improvements to Ashwathkatte Near Mutturaya Swamy Temple in Mallasandra Ward No.13 Shettyhalli Sub Division

Name of Agency: Sri.Puttaraju

Work Order No: BBMP/EE/PD/WO/ /2017-18

Tender Notification No: BBMP/EE/PD/Ten/10/2017-18.

Sl.No	Description of work	Unit	As per Bill of quantities			Quantity up to 125%			Quantity above 125%			Anticipated final qty		Excess	Remarks
			Qty	Rate	Amount	Qty	Rate	Amount	Qty	Rate	Amount	Est Qty	Amount	Amount	
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2	Providing and laying in position plain cement concrete of mix 1:3:6 with opc cement @220kgs with 40mm and down size graded granite metal course aggregate @0.892cum and fine aggregates @0.465 cum machine mixed,laid in layers not exceeding 15cms thick well	Cum.	11.96	5449.68	65178.17	14.95	5449.68	81472.72	17.60	5444.24	95802.29	32.55	177275.01	112096.83	
14	Providing full nosing for 20mm thick granite slab using required machinary including cost and conveyance of all materials; labour for all items of works H O M of equipment etc; complete as per specification	Mtr	23.50	257.04	6040.44	29.38	257.04	7550.55	1.64	256.79	419.85	31.01	7970.40	1929.96	
					71218.61			89023.27			96222.14		185245.41	114026.80	

PERCENTAGE OF EXCESS COMPARING TO SANCTIONED COST = $\frac{96222.14}{1385239.20}$ x100 = 6.95%

Asst.Engineer
Project Division-Dasarahalli Zone

Asst.Executive Engineer
Project Division-Dasarahalli Zone

Executive Engineer
Project Division-Dasarahalli Zone

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